INDEX OLYMPICS

1. $\frac{1}{100}$
2. $n = 3$
3. $n = 5$
4. $x = 0$
5. $20t^7$
6. $\frac{9}{64}$
7. $\frac{9}{49}$
8. 25^{16}
9. $2^{3/2}$
10. $2^{-3/2}$
11. $k = \frac{5}{6}$
12. $2^{-\frac{5}{2}}$
13. 2^{-2}
14. 2^{-10}
15. $a = \pm 3$
16. $200x^{15}y^{23}$
17. $k = -\frac{13}{4}$
18. $3.2 \times 10^{10k+1}$
19. $n = 3$
20. $n = -2$
21. $\frac{y^2}{4x^4}$
22. $a = 6 \quad b = 4$
23. $x = \frac{16}{5}$
24. $x = 5$
25. $x = 2$
26. $x^{-\frac{5}{6}}$ or $\frac{1}{x^{5/6}}$
27. $x^{-\frac{1}{2}}$ or $\frac{1}{\sqrt{x}}$
28. $\frac{z^2}{xy}$
29. $a = \frac{5}{6}$
30. $a = \frac{26}{b-2}$
31. $a = 4 \quad b = 1$